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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 03/22/2004

IBM CORPORATION
INTELLECTUAL PROPERTY LAW DEPT.
P.O. BOX 218
YORKTOWN HEIGHTS, NY 10598

EXAMINER

PESIN, BORIS M

ART UNIT

PAPER NUMBER

2174

DATE MAILED: 03/22/2004

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/841,930	04/25/2001	Fernando Incertis Carro	FR92000022US1	6591

TITLE OF INVENTION: METHOD AND SYSTEM FOR ACCESSING INTERACTIVE MULTIMEDIA INFORMATION OR SERVICES BY TOUCHING HIGHLIGHTED ITEMS ON PHYSICAL DOCUMENTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/22/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status.
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

B
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PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail**

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7590 03/22/2004

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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1330	\$300	\$1630	06/22/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
PESIN, BORIS M	2174	345-702000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☐ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☐ Issue Fee
- ☐ Publication Fee
- ☐ Advance Order - # of Copies _____

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- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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(Authorized Signature)

(Date)

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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 399 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 399 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Notice of Allowability

Application No.

09/841,930

Examiner

Boris Pesin

Applicant(s)

CARRO, FERNANDO INCERTIS

Art Unit

2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 2/27/2004.
2. ☒ The allowed claim(s) is/are 1-32.
3. ☒ The drawings filed on 03 January 2002 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Kristine Kincaid
KRISTINE KINCAID
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Eric Petraske on March 19, 2004.

Claims

The application has been amended as follows:

1. Claim 5, Line 1, delete "claims".
2. Claim 8 (Currently amended) The method according to any one of claims 1-5, wherein the physical document is a hard-copy document having any type of physical surface, formed of any material and of any form; and said opto-touch foils is substantially transparent and disposed above said physical document, whereby said document is visible through said opto-touch foil.
3. Claim 12, Line 2, delete "being" and add before "adapted"
-- a computer program --.
4. Claim 13, Line 1, delete "placed over or under" and add before "a page"
-- aligned with --.
5. Claim 16, Line 17, delete "over or under" and add before "the page"
-- with --.
6. Claim 21 (Currently amended) The method according to any one of claims 16 to 20, wherein the physical document is a hard-copy document having any type of physical

B1

B2

surface, formed of any material and of any form; and said opto-touch foils is substantially transparent and disposed above said physical document, whereby said document is visible through said opto-touch foil.

-
7. Claim 23, Line 5, delete "such as title, author, date"
8. Claim 25, Line 20, delete "over or under" and add before "the page"
-- with --.
9. Claim 26, Line 1, add -- according to claim 25, -- before "comprising"
Line 3, delete "placed over or under", add before "a page"
-- aligned with --
Line 5, delete "a user system according to claim 25"
10. Claim 27, Line 2, add before "and comprises"
-

B3 --; is disposed over said page of a physical document; --

-
11. Claim 28 (Currently amended) A computer program comprising computer readable instructions for carrying out the method ~~according to claim 16~~ comprising the steps of:

creating hyperlinks, by touching hyperlinked items on a physical

B4 document, for a user system;

creating a hyperlink table for a physical document;

said physical document comprising one or a plurality of pages;

receiving and storing in said hyperlink table an identification of the

physical document; and

for each page of said physical document;

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receiving and storing in said hyperlink table an identification of the page and an identification of hyperlinked items defined by the user on said page;

receiving and storing in said hyperlink table identification and location of information or service associated with each defined hyperlinked item;

determining the position of points pressed on an opto-touch foil: said opto-touch foil being placed and aligned with the page of the physical document: said opto-touch foil being pressed at points corresponding to the position of said of said defined hyperlinked items; and

storing the position of the points pressed in the hyperlink table, said hyperlink table comprising for each hyperlinked item, an indication of its position on the page.

B4
12. Claim 29 (Currently Amended) An article of manufacture comprising a computer usable medium having computer readable program code means embodied therein for causing selection and access of information or services, the computer readable program code means in said article of manufacture comprising computer readable program code means for causing a computer to effect a method comprising the steps of: claim1.

selecting and accessing information or services by touching hyperlinked items on a physical document, said method for use on a user system;

identifying a physical document, said physical document comprising at least one page;

identifying a page of said physical document, said page comprising one or a plurality of predefined hyperlinked items;

identifying position of hyperlinked items comprised in said identified page referring to a hyperlink table associated with said identified document, said hyperlink table comprising for each page of the document, a list of hyperlink items, and for each hyperlink item, an indication of its positions on said page;
and

sending for visualization on an opto-touch foil, the position of said hyperlinked items, said opto-touch foil being connected to the user system.

B4 13. Replace Claim 30 with;

"An article of manufacture comprising a computer usable medium having computer readable program code means embodied therein for causing creation of hyperlinks, the computer readable program code means in said article of manufacture comprising computer readable program code means for causing a computer to effect ~~the steps of claim 16.~~ creating hyperlinks, by touching hyperlinked items on a physical document, for use in a user system, including the steps of:

creating hyperlinks, by touching hyperlinked items on a physical document, for a user system;

creating a hyperlink table for a physical document:
said physical document comprising one or a plurality of pages;

receiving and storing in said hyperlink table an identification of the
physical document; and
for each page of said physical document;

receiving and storing in said hyperlink table an identification of the page
and an identification of hyperlinked items defined by the user on said page;

receiving and storing in said hyperlink table identification and location of
information or service associated with each defined hyperlinked item;

B4 determining the position of points pressed on an opto-touch foil: said opto-
touch foil being placed and aligned with over or under the page of the physical
document: said opto-touch foil being pressed at points corresponding to the
position of said of said defined hyperlinked items; and

storing the position of the points pressed in the hyperlink table, said
hyperlink table comprising for each hyperlinked item, an indication of its position
on the page.

14. Claim 31 (New) The method according to claim 2, wherein the opto-touch foil is
disposed below the physical document; and

the physical document is a hard-copy document having any type of physical
surface and formed of any material sufficiently flexible to transmit pressure,
whereby pressure on said physical document is transmitted therethrough to said
opto-touch foil."

15. Claim 32 (New) The method according to claim 16, wherein the opto-touch foil is
disposed below the physical document; and

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the physical document is a hard-copy document having any type of physical surface and formed of any material sufficiently flexible to transmit pressure, whereby pressure on said physical document is transmitted therethrough to said opto-touch foil."

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

As per independent claims 1, 12, 13, 15, 16, 25, 28, 29, and 30 the claimed invention overcomes the prior art because the prior art does not show "opto-touch foil" in connection with a user system wherein the opto-touch foil is used to display hyperlinked items on the "physical document". Further the prior art does not show a process of identifying a physical document, identifying a page of the document, and identifying the hyperlinks of a page in connection with displaying hyperlinks of the document using an opto-touch technology connected to a user system.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Boris Pesin whose telephone number is (703) 305-8774. The examiner can normally be reached on Monday-Friday except every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on (703) 308-0640. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Boris Pesin
Patent Examiner
March 19, 2004